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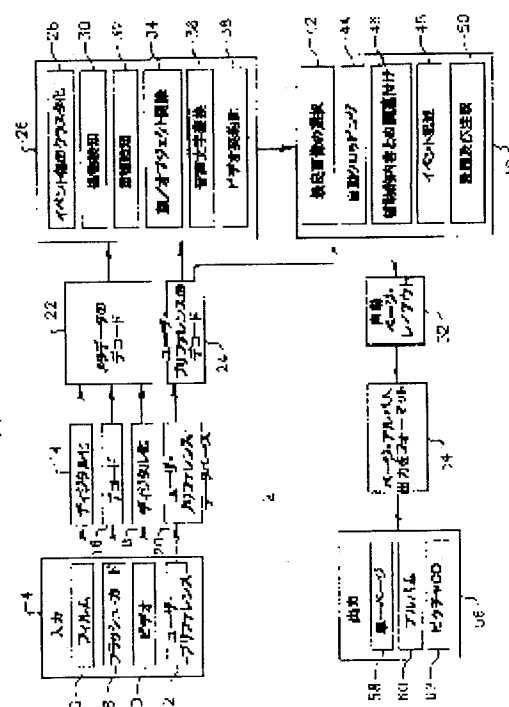
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## (54) AUTOMATIC LAYOUT SYSTEM AND METHOD FOR IMAGE IN DIGITAL ALBUM

(57)Abstract:

PROBLEM TO BE SOLVED: To automate the album creation processings for laying out an image in an album which is pleasant to user.

SOLUTION: A page-preparing module is provided with a genetic engine for allowing an image group to evolve to plural album pages, on the basis of the predetermined layout reference, and a layout evaluation module for calculating the layout reference and comparing the same with the user's taste. When the allowable image/page layout is generated, the image/page allocation is transferred to an image arrangement module. The image arrangement module uses a second genetic engine for allowing various references to evolve, and for preparing page layout genetic structures. These structures define the position, scale and rotation of the image arranged at the predetermined position. The layout evaluation module calculates the layouts and compares them with predetermined other ideas and the page request. When the proper layout is prepared, the final album output is prepared, and is displayed, printed or transferred.



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